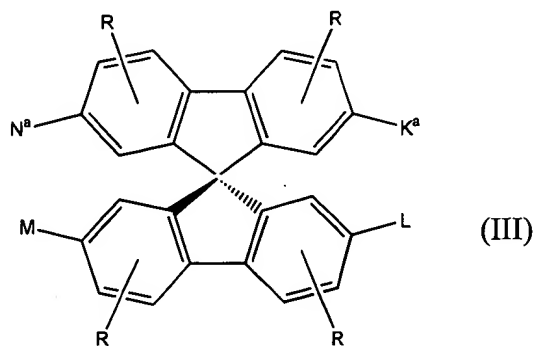


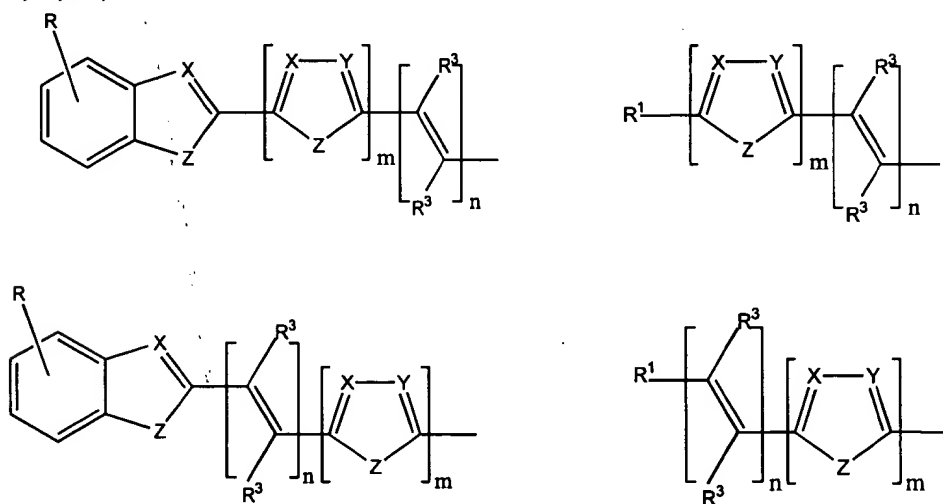
where the benzo groups can be substituted and/or fused independently of one another.

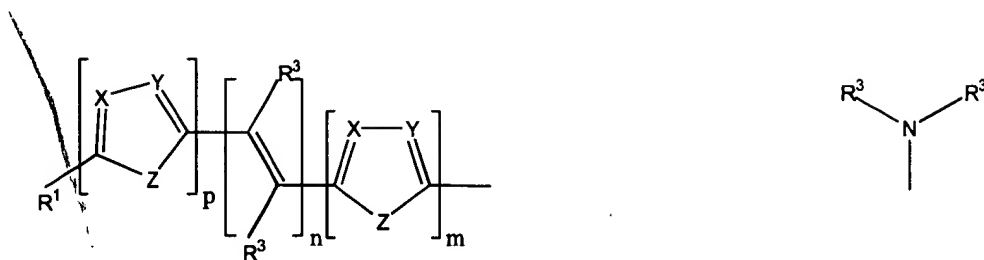
23. The laser of claim 21, wherein said spiro compound is a spirobifluorene derivative of formula (III)



wherein:

K^a , L , M , N^a are identical or different and are





R is identical or different and has the same meaning as K^a, L, M, N^a or is H, a linear or branched alkyl, alkoxy or ester group having from 1 to 22 carbon atoms, -CN, -NO₂, -NR²R³, -Ar or -O-Ar;

Ar is phenyl, biphenyl, 1-naphthyl, 2-naphthyl, 2-thienyl, or 2-furyl, with each optionally substituted with one or two radicals R;

m, n, p are 0, 1, 2 or 3;

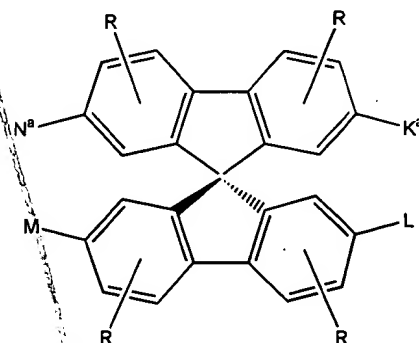
X, Y are identical or different and are CR or nitrogen;

Z is -O-, -S-, -NR¹-, -CR¹R⁴-, -CH=CH-, or -CH=N-;

R¹, R⁴ are identical or different and have the same meaning as R; and

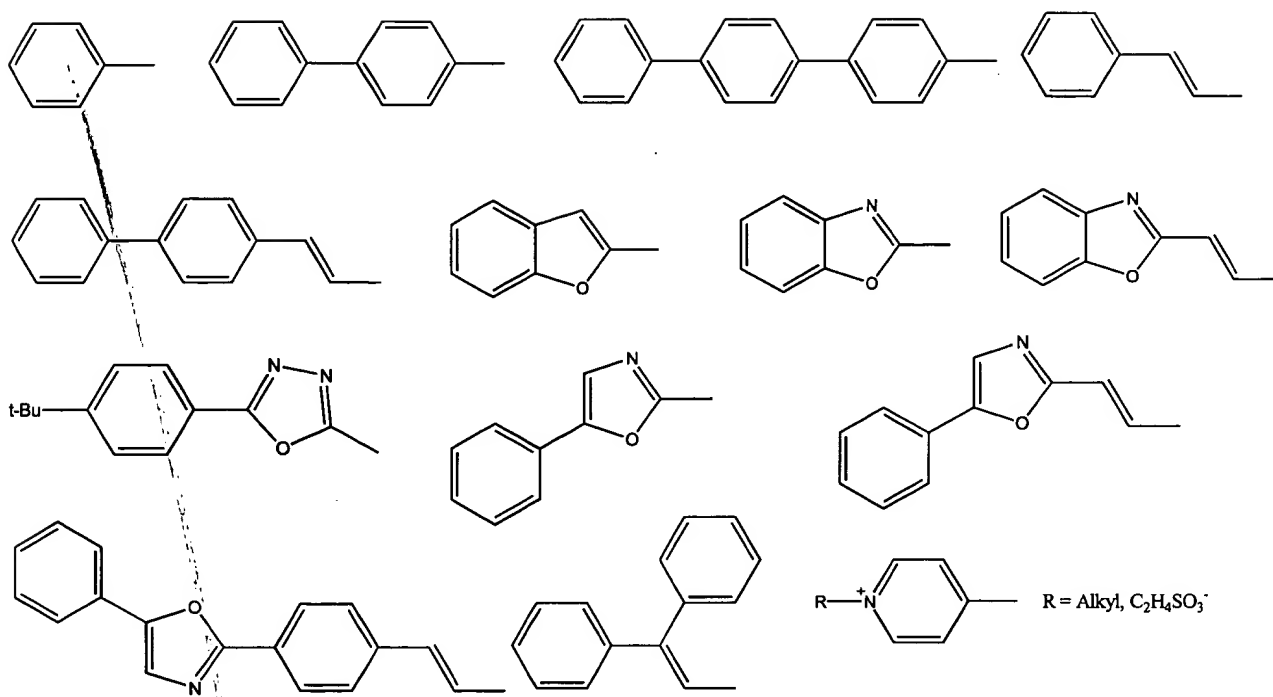
R², R³ are identical or different and are H, a linear or branched alkyl group having from 1 to 22 carbon atoms, -Ar, or 3-methylphenyl.

24. The laser of claim 21, wherein said spiro compound is a spirobifluorene compound selected from the group consisting of the spirobifluorene compounds of the formula (IIIa) to (IIIg), wherein formula (III) is:

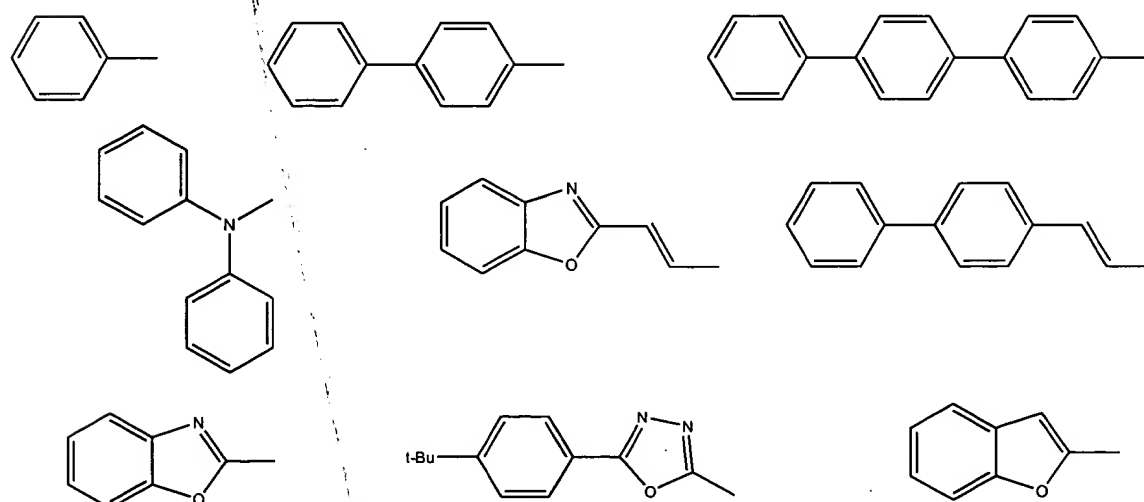


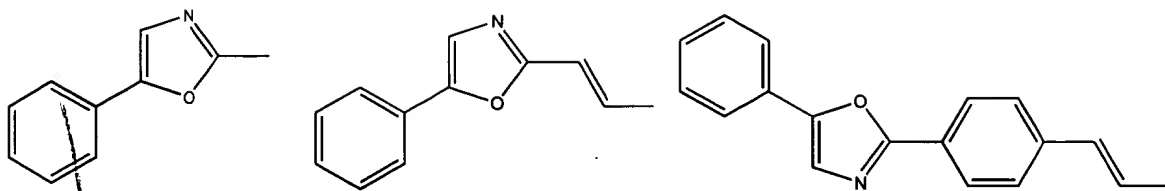
and the spirobifluorene compounds (IIIa to IIIg) are derivatives of formula (III) as follows:

IIIa) K^a = L = M = N^a and is selected from the group consisting of:

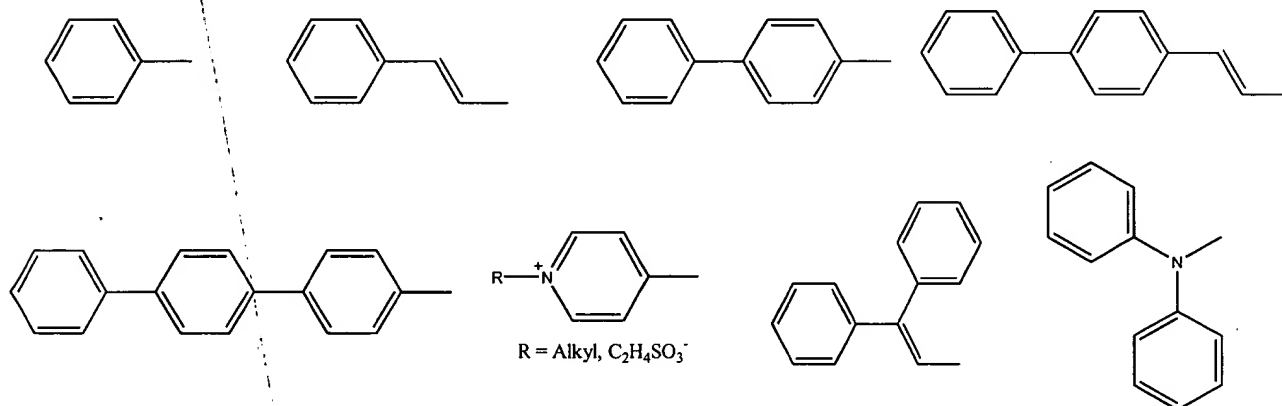


IIIb) K^a = M = H and N^a = L and is selected from the group consisting of:

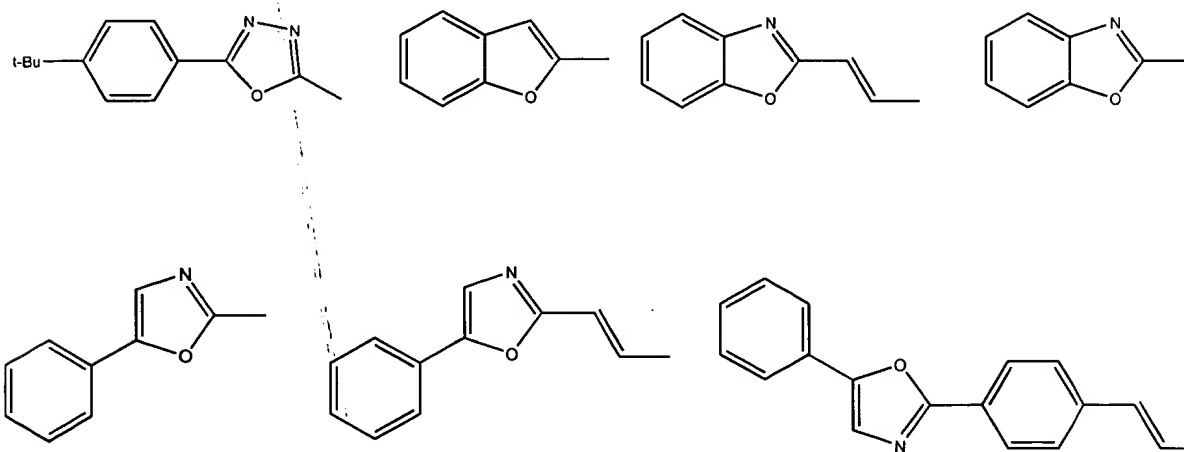




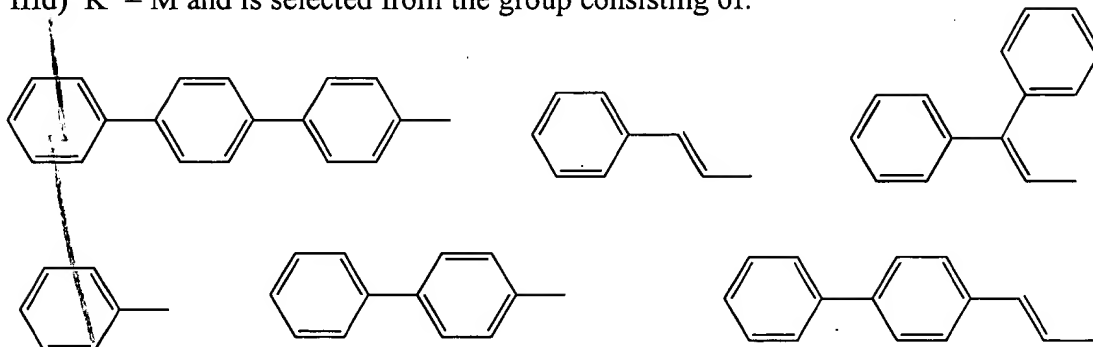
IIIc) $K^a=M$ and is selected from the group consisting of:



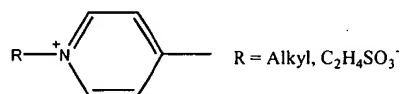
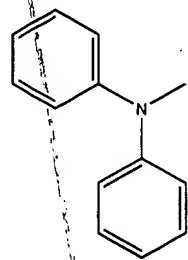
and $N^a=L$ and is selected from the group consisting of:



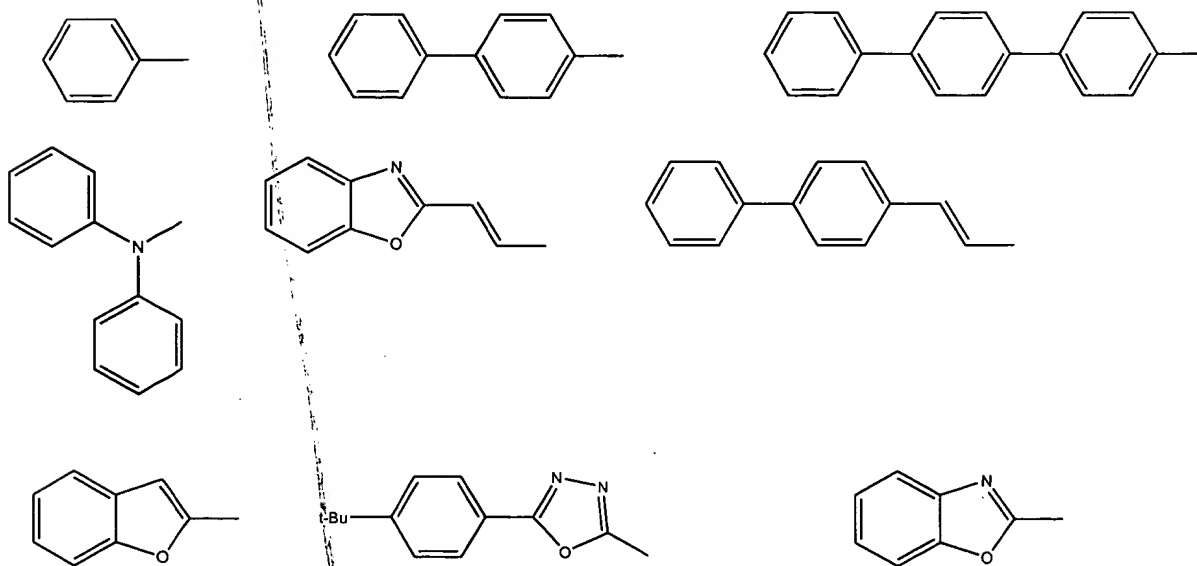
IIIId) $K^a = M$ and is selected from the group consisting of:

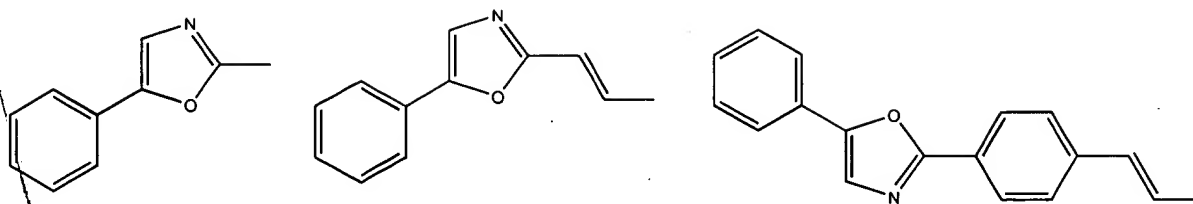


and $N^a = L$ and is selected from the group consisting of:

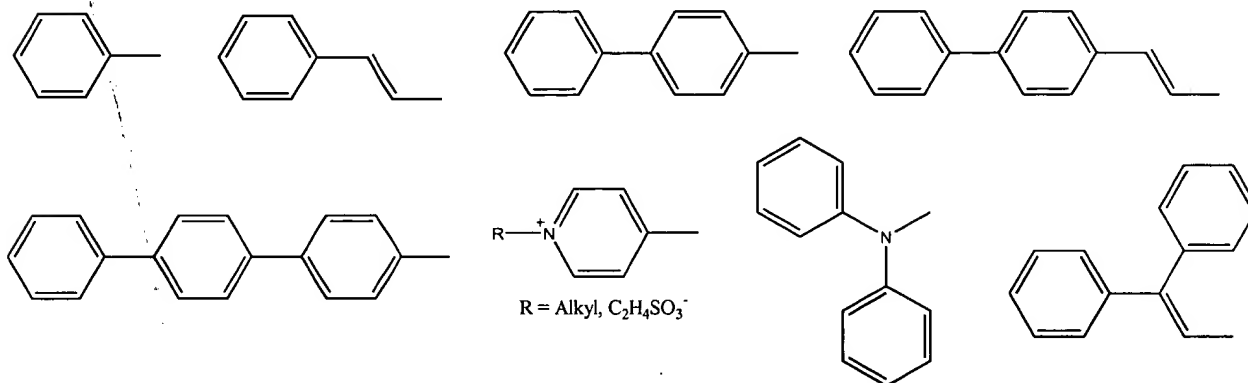


IIIe) $K^a = L = H$ and $M = N^a$ and is selected from the group consisting of:

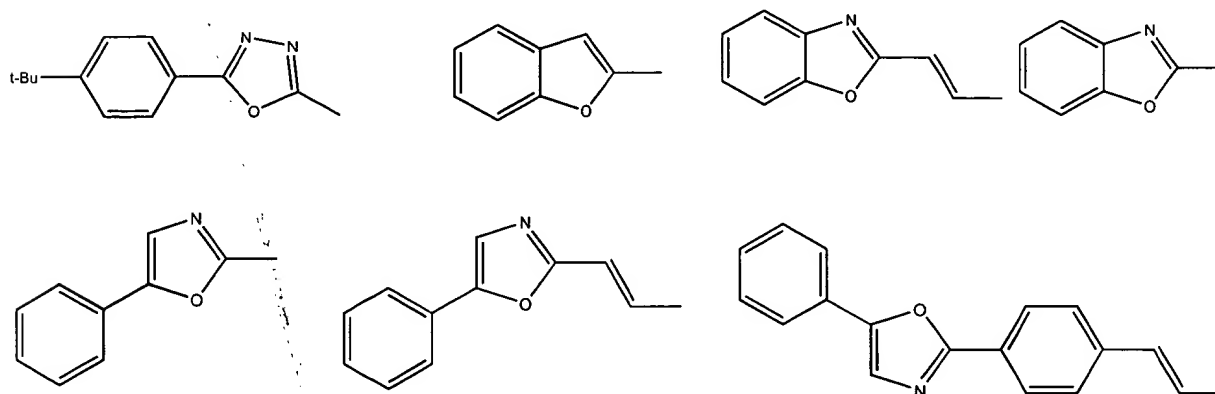




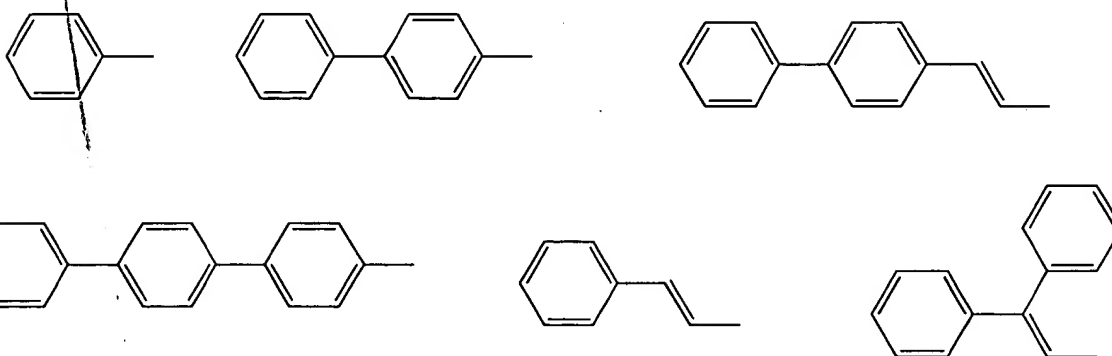
III f) $K^a = L$ and is selected from the group consisting of:



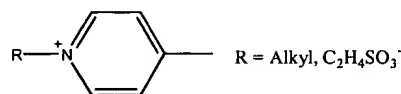
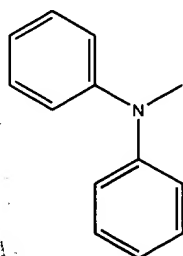
and $M = N^a$ and is selected from the group consisting of:



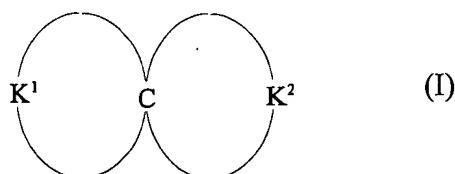
IIIg) $K^a = L$ and is selected from the group consisting of:



and $M = N^a$ and is selected from the group consisting of:

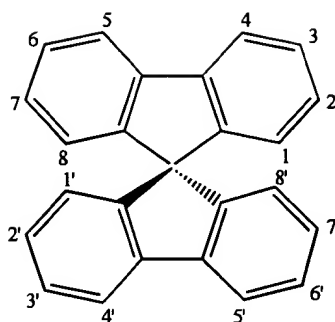


25. The laser of claim 21, wherein the light source is selected from the group consisting of a flash lamp and a laser.
26. The laser of claim 21, wherein the light source is a laser.
27. A method of producing coherent laser emission comprising subjecting an organic solid laser dye to a light source to excite the organic solid laser dye to emit radiation, the organic solid laser dye comprising a solid spiro compound of formula (I)



where K^1 and K^2 are, independently of one another, conjugated systems.

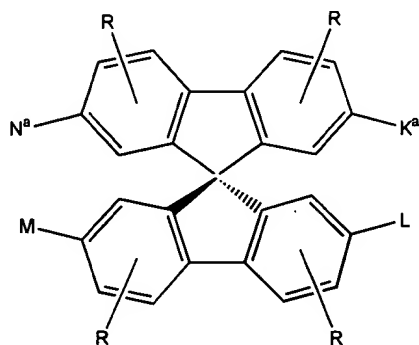
28. The method of claim 27, wherein said solid spiro compound is a spirobifluorene of formula (II)



(II)

where the benzo groups can be substituted and/or fused independently of one another.

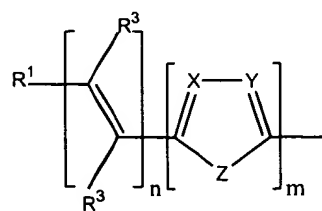
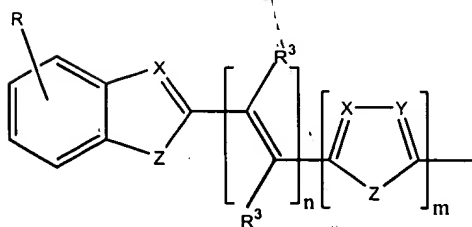
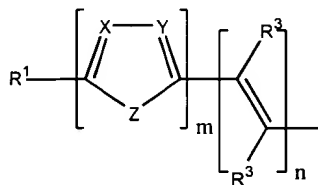
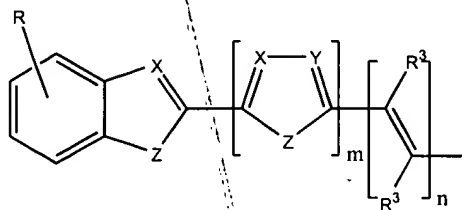
29. The method of claim 27, wherein said spiro compound is a spirobifluorene derivative of formula (III)

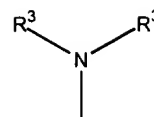
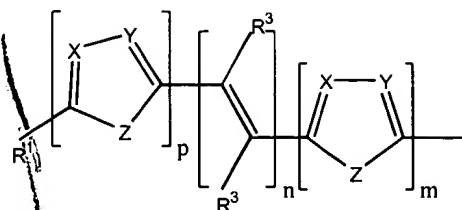


(III)

wherein:

K^a , L, M, N^a are identical or different and are





R is identical or different and has the same meaning as K^a, L, M, N^a or is H, a linear or branched alkyl, alkoxy or ester group having from 1 to 22 carbon atoms, -CN, -NO₂, -NR²R³, -Ar or -O-Ar;

Ar is phenyl, biphenyl, 1-naphthyl, 2-naphthyl, 2-thienyl, or 2-furyl, with each optionally substituted with one or two radicals R;

m, n, p are 0, 1, 2 or 3;

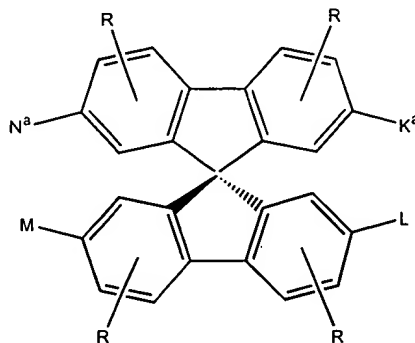
X, Y are identical or different and are CR or nitrogen;

Z is -O-, -S-, -NR¹-, -CR¹R⁴-, -CH=CH-, or -CH=N-;

R¹, R⁴ are identical or different and have the same meaning as R; and

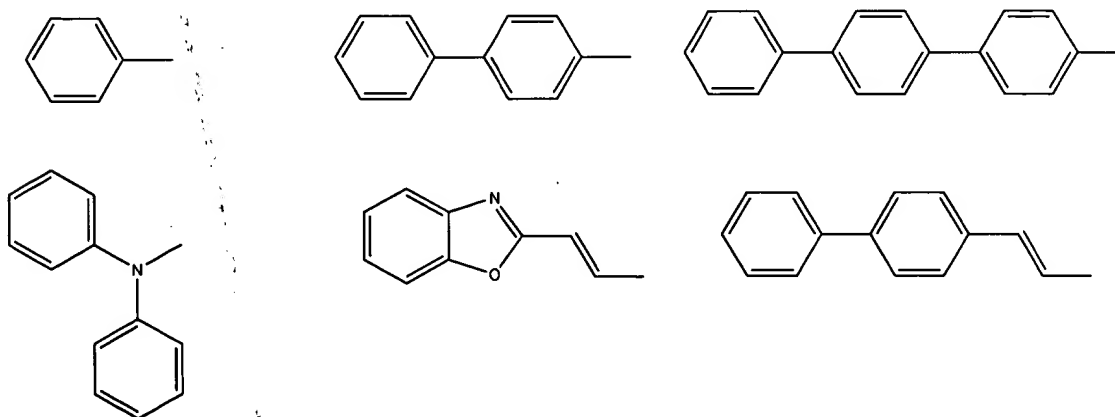
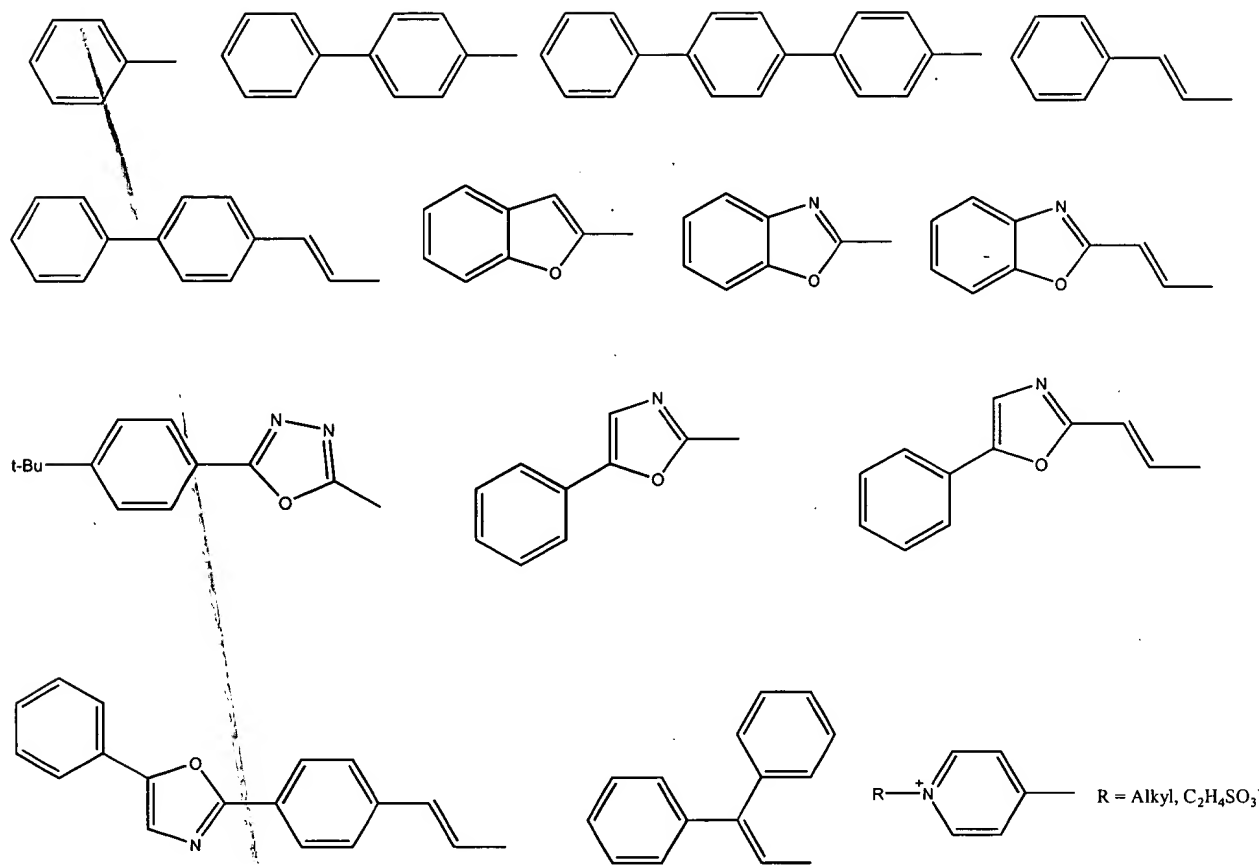
R², R³ are identical or different and are H, a linear or branched alkyl group having from 1 to 22 carbon atoms, -Ar, or 3-methylphenyl.

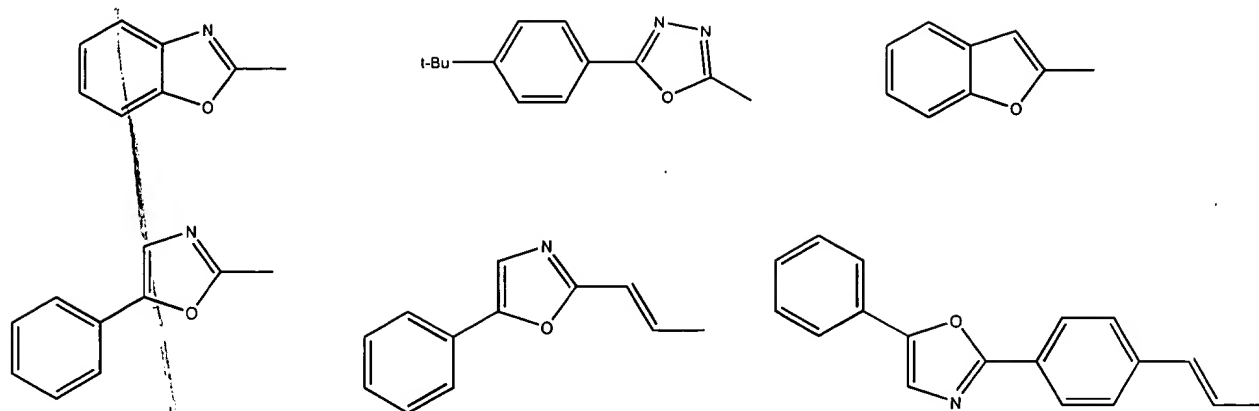
30. The method of claim 27, wherein said spiro compound is a spirobifluorene compound selected from the group consisting of the spirobifluorene compounds of the formula (IIIa) to (IIIg), wherein formula (III) is:



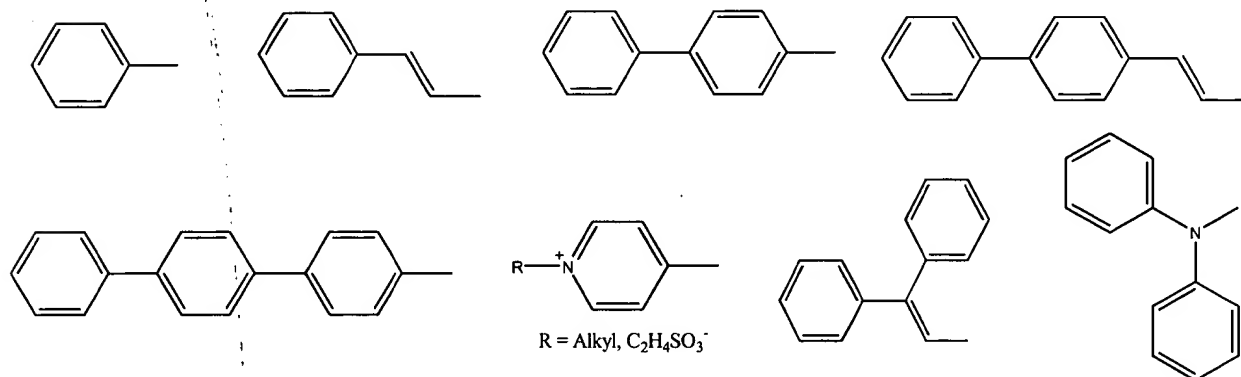
and the spirobifluorene compounds (IIIa to IIIg) are derivatives of formula (III) as follows:

IIIa) K^a = L = M = N^a and is selected from the group consisting of:

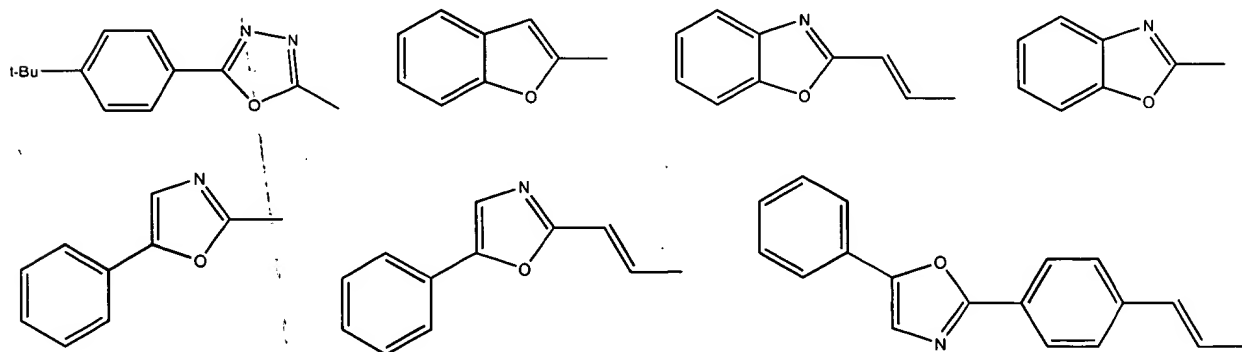




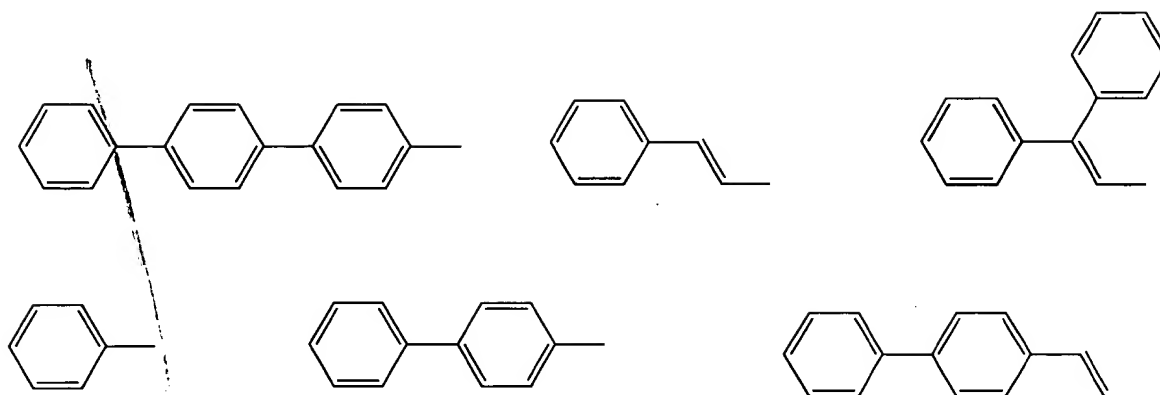
IIIc) $K^a = M$ and is selected from the group consisting of::



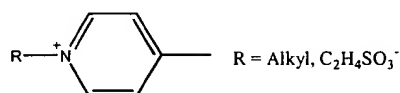
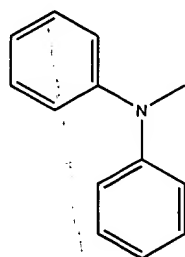
and $N^a = L$ and is selected from the group consisting of



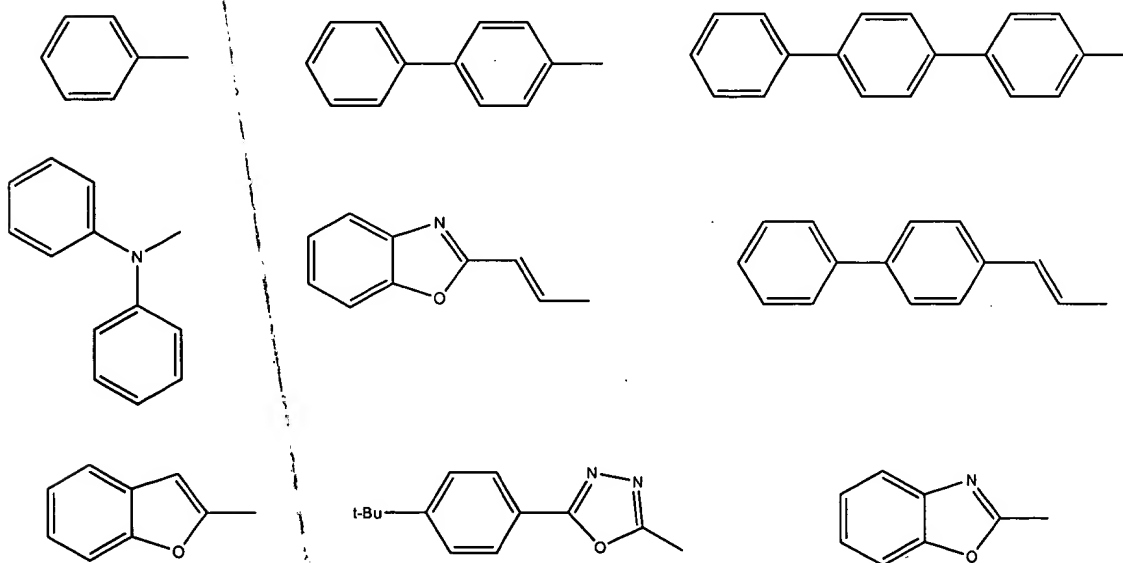
IIIId) $K^a = M$ and is selected from the group consisting of:

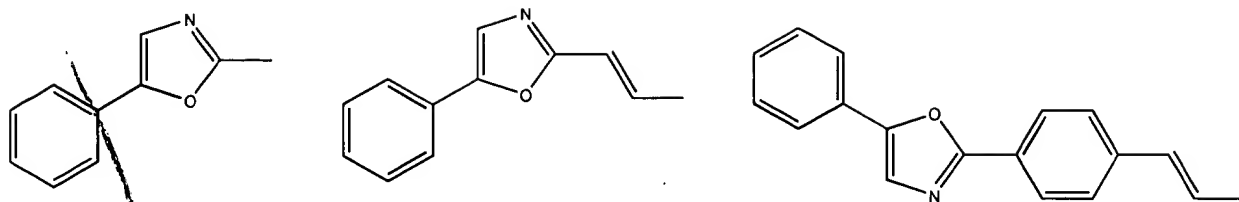


and $N^a = L$ and is selected from the group consisting of:

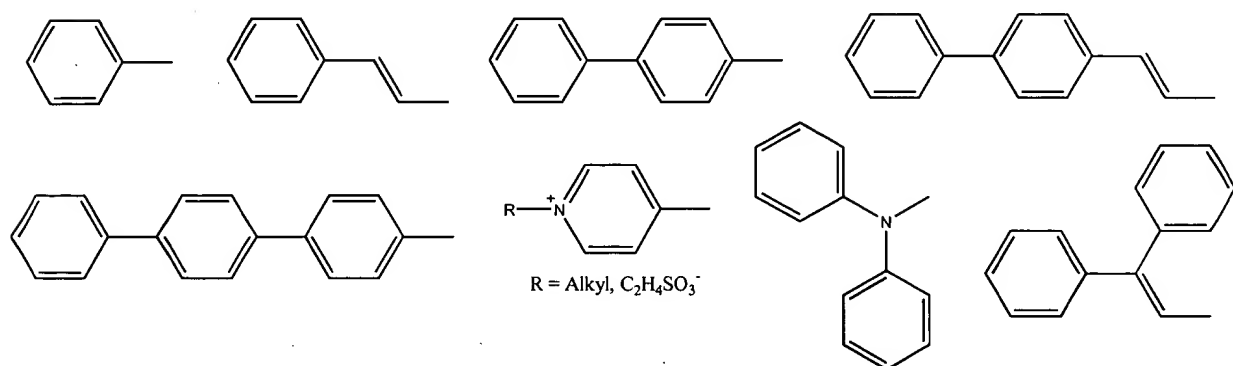


IIIe) $K^a = L = H$ and $M = N^a$ and is selected from the group consisting of:

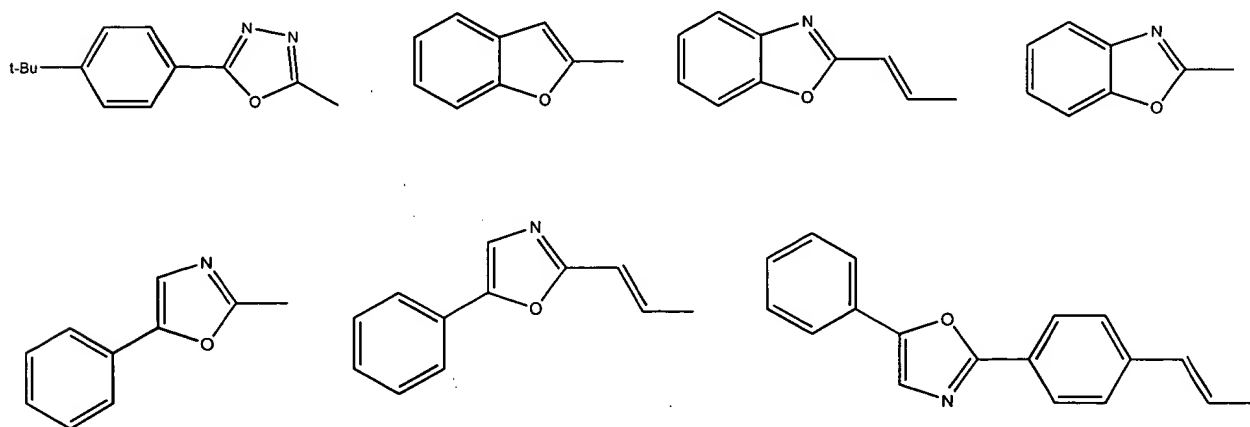




III f) $K^a = L$ and is selected from the group consisting of:



and $M = N^a$ and is selected from the group consisting of



III g) $K^a = L$ and is selected from the group consisting of: